

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: IRiS

Report Number: P1294256

Luminaire Tested: P3A09R55W2N902765DE010 E3D1H_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1294256
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-14)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A09R55W2N902765DE010 E3D1H_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R55 optic, 2700K CCT AND, 90CRI , E3D1H TRIM
Light Source: -
Ballast/Driver: -

Summary

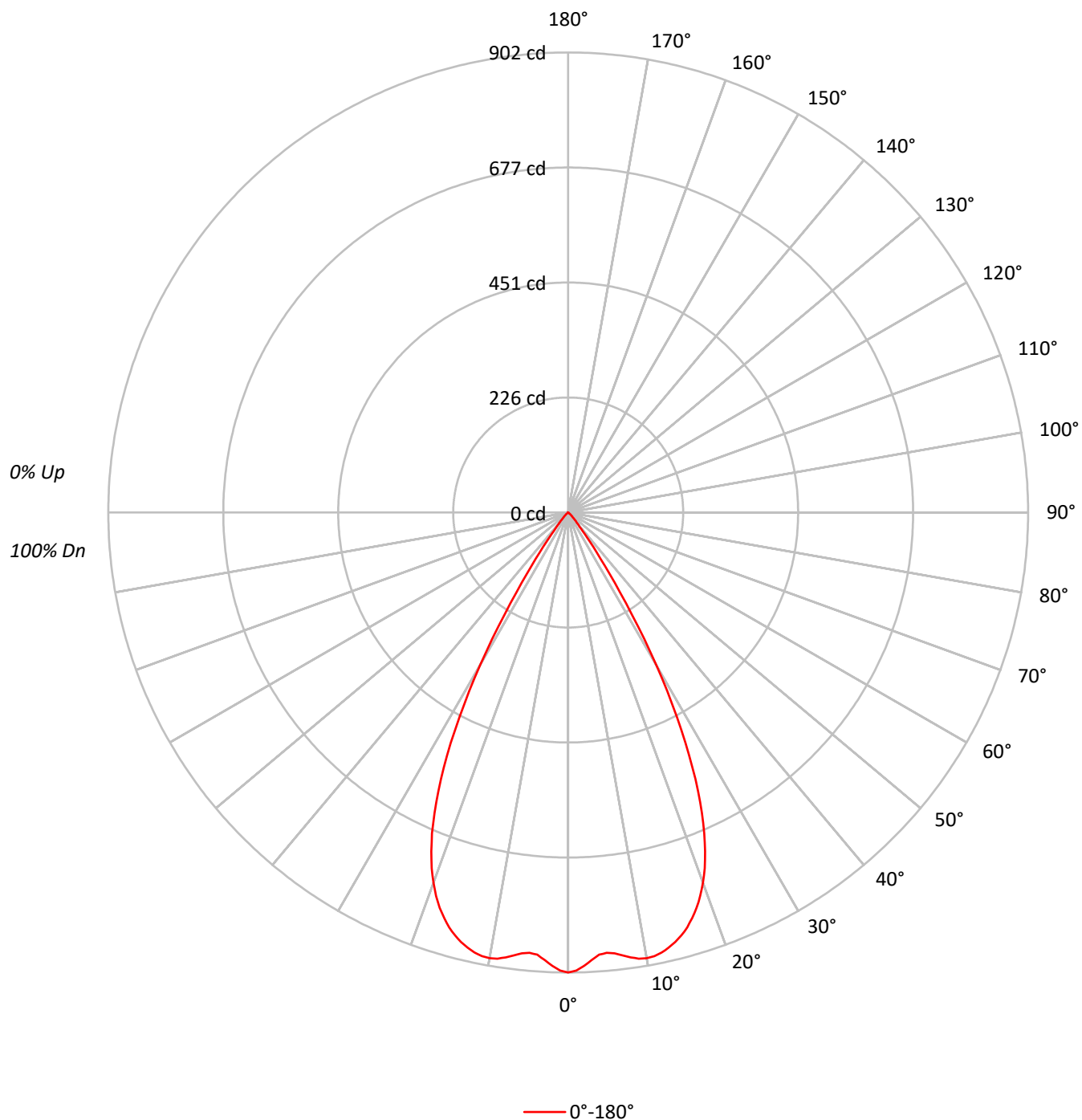
Lumens per Lamp: N/A
Luminaire Lumens: 682.0 lumens
Efficiency: N/A
Efficacy: 75.8 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.82
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20							
RC	80				70				50				30				10				0			
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0			
RCR																								
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100						
1	114	111	109	107	112	109	107	105	105	104	102	102	100	99	98	97	96	95						
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	92	91	89						
3	104	98	94	90	102	97	93	90	95	91	88	92	89	87	90	88	86	84						
4	100	93	88	84	98	92	87	84	90	86	83	88	84	82	86	83	81	79						
5	95	88	82	79	94	87	82	78	85	81	78	84	80	77	82	79	76	75						
6	91	83	78	74	90	82	77	74	81	76	73	80	76	73	78	75	72	71						
7	87	79	73	70	86	78	73	69	77	72	69	76	72	69	75	71	68	67						
8	83	75	69	66	82	74	69	65	73	69	65	72	68	65	71	68	65	63						
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	64	61	60						
10	77	68	62	59	76	67	62	59	67	62	59	66	62	59	65	61	58	57						

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	197769
5°	190777
10°	197592
15°	194802
20°	180289
25°	145823
30°	87381
35°	29607
40°	8158
45°	3628
50°	1058
55°	191
60°	132
65°	156
70°	192
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3628 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.9	12.3
10°-20°	238.9	35.0
20°-30°	265.6	38.9
30°-40°	82.7	12.1
40°-50°	9.9	1.5
50°-60°	0.8	0.1
60°-70°	0.3	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	588.3	86.3
0°-40°	671.0	98.4
0°-60°	681.7	100.0
0°-90°	682.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	682.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	902	
5°	867	84
15°	858	239
25°	603	266
35°	111	83
45°	12	10
55°	0	1
65°	0	0
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	901.9
1°	898.5
2°	889.7
3°	878.9
4°	869.0
5°	866.7
6°	869.3
7°	874.7
8°	880.9
9°	885.8
10°	887.4
11°	886.4
12°	882.2
13°	875.7
14°	868.2
15°	858.1
16°	846.5
17°	831.7
18°	815.1
19°	795.2
20°	772.6
21°	747.0
22°	716.7
23°	683.2
24°	644.9
25°	602.7
26°	556.3
27°	507.1
28°	454.5
29°	400.3
30°	345.1
31°	289.7
32°	235.5
32.5°	211.4
33°	186.5
34°	144.3
35°	110.6
36°	84.2
37°	62.4
37.5°	53.4
38°	46.4
39°	35.2
40°	28.5
42.5°	18.1
45°	11.7



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CANDELA DISTRIBUTION (continued):

	0°
47.5°	7.0
50°	3.1
52.5°	1.0
55°	0.5
57.5°	0.3
60°	0.3
62.5°	0.3
65°	0.3
67.5°	0.3
70°	0.3
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)